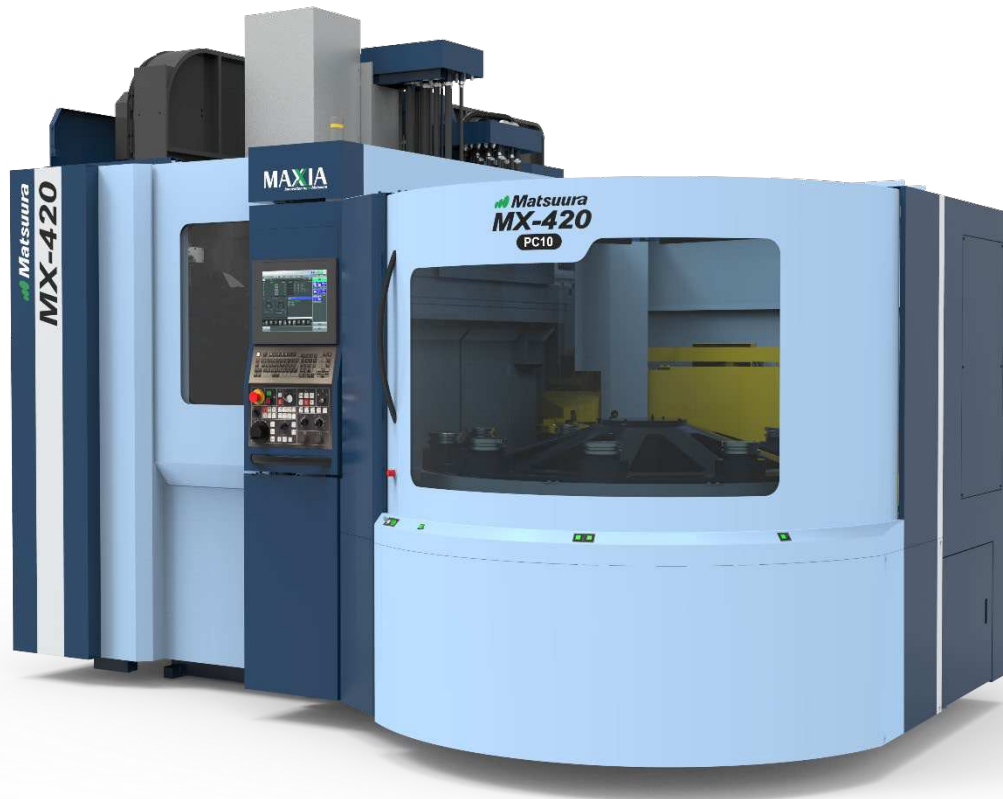


Matsuura PREMIUM MACHINE TOOL MANUFACTURER

MATSUURA MACHINERY USA, INC.
MX-420 5-AXIS VERTICAL MACHINING CENTER



SN: 22607

Proposal #:M2246

9/2022

IMTS 2022



MATSUURA FACTORY STANDARDS

- FANUC G-TECH 311B CONTROL WITH IHMI
- MIMS (MATSUURA INTELLIGENT MEISTER SYTEM)
- SCALE FEEDBACK ON A AND C AXIS
- 1,000 PSI COOLANT THROUGH SPINDLE PREPARATION
- 93 GALLON COOLANT TANK
- INTERNAL SPIRAL CHIP AUGERS
- Z-AXIS THERMAL DISPLACEMENT COMPENSATION SYSTEM
- SPINDLE OIL COOLER WITH OVERLOAD PROTECTION
- AUTO GREASE SUPPLY UNIT FOR FEED AXES
- CHIP FLUSH/FLOW
- ADVANCED TAP (AD-TAP) FUNCTION
- INTELLIGENT PRECISION CONTROL (IPC) FUNCTION
- SOFTWARE TOOL FOR MEMORY CARD PROGRAM OPERATION & EDITING
- INTEGRATED SPINDLE RUN HOUR METER
- INTEGRATED AUTO RUN HOUR METER
- SERVICE TOOLS AND TOOL BOX
- MACHINE COLOR PAINT
- LEVELLING BOLTS/PLATES
- ELECTRONIC MANUAL
- E-MAILING FUNCTION
- FAULT DIAGNOSIS FUNCTION
- COMPLETE TRUEPATH SOFTWARE-1 YEAR OF SOFTWARE INCLUDED
*A SUITE OF POST PROCESSING, G-CODE EDITING, MACHINE SIMULATION, COLLISION
DETECTION AND ANALYSIS TOOL*



FACTORY INCLUDED OPTIONS

MX-420

SN: 22607

PO No: M2246

Delivery: **SOLD***

*Next model of similar spec deliverable January 2023

SPINDLE

20,000 RPM HIGH-SPEED BT #40 OIL-AIR LUBRICATED SPINDLE

INCLUDES 2 YEAR WARRANTY ON ALL SPINDLE COMPONENTS

PALLET CHANGER

10 PALLET CHANGER WITH METRIC PALLETS

TOOLS

90 TOOL CHAIN

GENERAL

8 SETS OF EXTRA M-FUNCTIONS

FOR 3RD PARTY OPTION INTEGRATION – INCLUDES RELAY BOARD

SCALE FEEDBACK FOR (X,Y,Z) AXIS/ HEIDENHAIN SCALE

AIR BLOW FOR CHIP SWarf REMOVAL

ENVIRONMENTAL THERMAL DISPLACEMENT COMPENSATION

3 COLOR PATROL LIGHT

RED, YELLOW, GREEN

AIR DRIVEN ROTARY WIPER ON OPERATOR WINDOW

WEEKLY TIMER

ALLOWS FOR AUTOMATIC SHUT-DOWN & AUTO START-UP WITH SPINDLE WARM UP

PROVISION FOR MIST SEPARATOR

SOFTWARE

SPINDLE LOAD MONITORING FUNCTION

ALLOWS AN OPERATOR TO TEACH REFERENCE TORQUE VALUES FOR THE FEED AND SPINDLE AXIS FOR A NEW TOOL. WHEN A TOOL REACHES A WARNING LEVEL THE OPERATOR IS NOTIFIED. IF THE TORQUE VALUES REACH ANOTHER LIMIT THE MACHINE IS HALTED.

TOOL PRECHECK FUNCTION

THE CONTROL DETERMINES A LIST OF REQUIRED TOOLS FOR THE NEXT PALLET PROGRAM AND ENSURES THAT THE CORRECT TOOLS ARE AVAILABLE BEFORE BEGINNING TO CUT.

3D MODEL OF WORK ENVELOPE IN STL FORMAT

EZ-5 WITH CALIBRATION BALL

PROBING

SPINDLE PROBE – RENISHAW OMP-400

LASER TOOL SETTER – RENISHAW NC-4

CONVEYOR

MOSNIC RD-3C CHIP CONVEYOR WITH DRUM FILTER

FILTERS CHIPS DOWN TO 50 MICRONS IN SIZE

FANUC PACKAGES

MMU VALUE PACKAGE

- *TOOL OFFSET PAIRS 999-PAIRS*
- *ADDITION OF WORKPIECE COORDINATE SYSTEM 300-PAIRS*
- *OPTIONAL BLOCK SKIP 9*
- *PROGRAM RESTART*
- *COORDINATE SYSTEM ROTATION*
- *TOOL LIFE MANAGEMENT*
- *PART PROGRAM STORAGE SIZE 8 MEGABYTES*
- *HIGH-SPEED SKIP*
- *COMMON VARIABLE EXPANSION (#100-#199/#500-#999)*

HIGH SPEED/ HIGH PRECISION PACKAGE + 5 AXIS PACKAGE

- *iZ-2/150NF*
- *NANO SMOOTHING 1 & 2*
- *OPTIMAL TORQUE ACCELERATION & DECELERATION*
- *DATA SERVER PACKAGE WITH ETHERNET CONNECTIVITY AND 1 GIGABYTE OF PROGRAM STORAGE*
- *TOOL CENTER POINT CONTROL*
- *3D CUTTER COMPENSATION*
- *TILTED WORKING PLANE COMMAND*
- *TOOL POSTURE CONTROL BY TOOL CENTER POINT CONTROL*
- *WORK SET-UP ERROR COMPENSATION*
- *INVERSE TIME FEED*